

DWPI

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DERWENT-WEEK: 199931

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TITLE: Antenna installation alignment aid for satellite broadcasting - has remote control unit enabling installer to select channels on set-top satellite tuner while adjusting antenna and viewing picture quality on outdoor TV monitor

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PRIORITY-DATA: 1997JP-0298864 (October 30, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	
PAGES MAIN-IPC			
JP 11136708 A	May 21, 1999	N/A	006
H04N 017/00			

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP11136708A	N/A	1997JP-0298864

October 30, 1997

INT-CL (IPC): G05D003/00; H01Q003/02 ; H04N005/00 ;
H04N005/44 ;

H04N007/20 ; H04N017/00 ; H04N017/04

ABSTRACTED-PUB-NO: JP11136708A

BASIC-ABSTRACT: NOVELTY - The signals from the antenna and from the installer's remote control are modulated and fed to the satellite receiver via an indoor test unit. The remote control signals are supplied to the receiver by a light-emitting unit being placed near it which is connected to the indoor test unit. This unit converts the AV output of the receiver to a channel in the VHF/VHF band and feeds it back to the outdoor unit where it is displayed on a small monitor. The technician then alters the antenna position until a clear picture is obtained.

USE - For setting-up an antenna to receive satellite broadcasting.

ADVANTAGE - Remote control of the tuner operations and local monitor enable installer to optimise antenna position.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic block diagram of the alignment aid used with a satellite TV receiver.

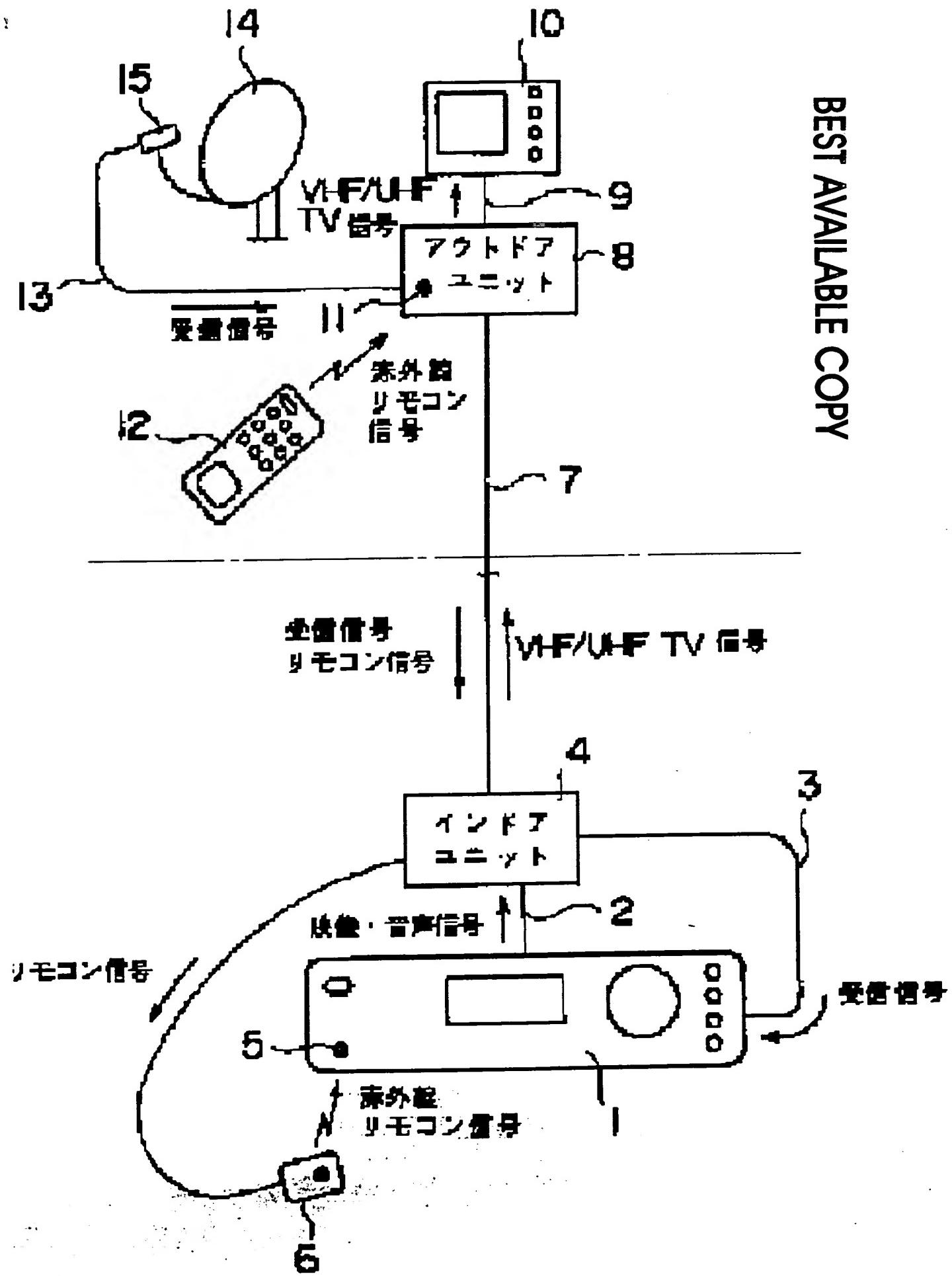
(1) Tuner; (3) Coaxial cable; (4) Indoor unit; (6) Light emission unit; (8) Outdoor unit; (10) Small sized TV monitor; (14) Antenna for satellite broadcast reception.

CHOSEN-DRAWING: Dwg.1/4

DERWENT-CLASS: W02 W03

EPI-CODES: W02-B08A5; W03-A02C5; W03-A16A; W03-A18A9;

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ANTENNA DIRECTION ADJUSTING DEVICE

Patent Number: JP11136708
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Inventor(s): SUGIYAMA JUN; HIGUCHI HIROBUMI
Applicant(s): YAGI ANTENNA CO LTD
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IPC Classification: H04N17/00 ; H01Q3/02 ; H04N5/00 ; H04N5/44 ; H04N7/20 ; H04N17/04
EC Classification:
Equivalents:

Abstract

PROBLEM TO BE SOLVED: To adjust a direction of an antenna correctly by confirming a reception state at an antenna installation site and controlling remotely a tuner placed on a remote site.

SOLUTION: An indoor unit 4 and a light emitting unit 6 are placed on the site of a tuner 1, an outdoor unit 8 and a compact television monitor 10 are placed on the installation site of an antenna 14. A remote control signal is sent from the outdoor unit 8 to the indoor unit 4 by the operation of the remote controller 1 and then the light emitting unit 6 generates an infrared ray remote control signal to activate the tuner 1. The indoor unit 4 modulates an antenna level display video and a television video or the like outputted from the tuner 1 into a television signal of a VHF/UHF band to output. The outdoor unit 8 displays the television signal sent from the indoor unit 4 on the compact television monitor 10. An antenna adjustment personnel adjusts the direction of the antenna while observing the antenna level display video or the like displayed on the monitor 10.

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